

PHOTOGRAPHIC INTELLIGENCE BRIEF

29

[REDACTED] HTA/RR-HTA

INSTALLATION: Karaganda Communication Facilities BRIEF NO.: B-97-57  
LOCATION: Karaganda, USSR DATE: 31 December 1957  
B.E. NUMBER: None LAT.: 49° 52' N  
WAC NUMBER: 238 LONG.: 73° 07' E

REFERENCE:

ATMP: [REDACTED] 1st Ed., Sep 1955

NO CHANGE IN CLASS. ☐  
☐ DECLASSIFIED  
CLASS. CHANGED TO: TS *OC*  
NEXT REVIEW DATE: *2012*  
AUTH: HR 70-2  
DATE: *1 Aug 1992* REVIEWER: *0109599*

ENCLOSURE: Annotated photograph of Karaganda Radio Station

REQUIREMENT RR/HTA/E/R62/57: Locate and describe communication facilities in Karaganda, USSR.

REMARKS:

The Karaganda Radio Station is located in the southwest section of the city. [REDACTED] photography shows this installation under construction within a fenced area measuring 3,300 by 1,850 feet (see attached photograph). When completed it apparently will have both medium and high frequency capabilities.

An 85-foot guyed vertical broadcast radiator, probably for medium frequency transmission, stands in the east-central part of the fenced area. Ground scars indicating a buried radial ground system extend out to a distance of 550 feet from the base of the radiator.

In the southwest corner of the fenced enclosure a high frequency horizontal rhombic antenna array is under construction. Two guyed poles are standing and footings appear to be in for the remaining two. When the array is completed the guyed poles will be spaced 240 feet apart.

In the northwest quadrant of the enclosure footings for four guyed radiators or poles are under construction. The location and spacing of these footings suggest that when completed this will be a high frequency dipole beam-antenna array.

Support buildings for the radio station include a 110 by 65 foot station building with two adjacent cooling ponds, a 35 by 30 foot coupling house, and a 65 by 50 foot shop building.

The Karaganda Television Station is located in the center of Karaganda, 2.5 miles east of the radio station. This installation consists of a 630-foot self-supporting broadcast tower and a 180 by 120 foot station building. Ground scars indicate that this is a newly constructed installation.

An annotated photograph of the Karaganda Radio Station is attached.

25X1

SECRET

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Enclosure to  
HTA/B-97/57

Rhombic  
Antenna Array

Dipole Beam  
Antenna Array

850'  
Radiator

KARAGANDA RADIO STATION  
KARAGANDA, USSR

49°52'N - 73°07'E

SCALE 1:8,250

DATE OF PHOTOGRAPHY

25X1

SECRET

T04753A000100050013-4